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COMMUNICABLE DISEASE CENTER



Morbidity and Mortality

Vol. 14, No. 6

WEEKLY
REPORTWeek Ending
February 13, 1965

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

EPIDEMIOLOGIC NOTES

CONTENTS

INFLUENZA

Type A influenza continues to be prevalent in much of New England and in some States of the Middle Atlantic Division. Its occurrence has also been reported from Iowa, Missouri, Michigan, Alabama, and Kansas where outbreaks have generally been more focal. Unconfirmed but clinically suspect outbreaks have been reported from Maine, New Hampshire, and Mississippi.

Influenza viruses identified as Type A₂ strains have been recovered in New York, New Jersey, Connecticut,

Epidemiologic Notes

Influenza - State Reports: Alabama; Iowa;

Michigan; Kansas 54, 55

Rabies in Animals 55

Pennsylvania, Missouri, Kansas, and Michigan. Isolates from several other regions are presently being studied. In addition, serological confirmations of Type A influenza have been reported from Massachusetts, Iowa, Vermont, and Alabama.

(Continued on page 54)

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

Disease	6th Week Ended		Median 1960 - 1964	Cumulative, First 6 Weeks		
	February 13, 1965	February 8, 1964		1965	1964	Median 1960 - 1964
Aseptic meningitis	25	22	22	168	158	145
Brucellosis	3	13	11	24	40	40
Diphtheria	3	6	8	18	28	81
Encephalitis, primary infectious . .	23	36	---	170	175	---
Encephalitis, post-infectious . . .	9	7	---	77	38	---
Hepatitis, infectious including serum hepatitis	767	1,039	1,285	4,764	5,504	6,606
Measles	8,237	9,361	11,214	42,624	38,363	51,041
Meningococcal infections	70	56	56	388	328	320
Polio, Total	1	1	6	2	6	52
Paralytic	1	1	4	2	4	32
Nonparalytic	—	—	---	—	2	---
Unspecified	—	—	---	—	—	---
Streptococcal Sore Throat and Scarlet fever	11,264	12,072	10,510	62,622	56,146	53,077
Tetanus	4	3	---	21	27	---
Tularemia	4	1	---	35	40	---
Typhoid fever	6	6	8	39	41	42
Rabies in Animals	99	89	73	557	407	374

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	1	Rabies in Man:	—
Botulism:	—	Smallpox:	—
Leptospirosis:	3	Trichinosis: N.Y. Upstate - 1	19
Malaria: Mass. - 1, Pa. - 1	3	Typhus -	—
Plague:	—	Murine: Tex. - 1	2
Psittacosis:	2	Rky. Mt. Spotted:	6

EPIDEMIOLOGIC NOTES

INFLUENZA - Continued

Inspection of the current pneumonia and influenza mortality reported to CDC by 122 U.S. cities (below) shows the U.S. total to be just above the "epidemic threshold." The number of deaths is noted to be elevated primarily by reports from the New England and Middle Atlantic Divisions. Specifically, New England's increase results from excess mortality in Boston, Springfield, and Worcester. In the Middle Atlantic States, elevated mortality in Paterson and Jersey City contributes most substantially to the Divisional total. In general, the geographical distribution of the excess influenza and pneumonia mortality corresponds to the areas known to have been experiencing influenza for the longest time and in the greatest concentration.

The sum of current reports demonstrates that influenza has become relatively widespread but scattered in the eastern half of the U. S. In those areas where the disease has been identified, patterns both of sporadic outbreaks and of more concentrated epidemics are being described.

INFLUENZA - State Reports

Alabama

A recent outbreak of widespread influenza, particularly affecting younger age groups, was reported during the past week from Clarke County. The southern portion of the County was most heavily involved, and some schools were temporarily closed. Adults were likewise affected, and an increased number of cases of pneumonia were reported.

A serological survey carried out on unpaired acute and convalescent serum specimens from cases demonstrated significantly increased levels of HI antibodies to Type

A influenza during the convalescent phase. Virus isolation attempts are under way.

(Reported by Dr. W.H.Y., Smith, Director, Division of Preventable Diseases, and Dr. Thomas S. Hosty, Director of Laboratories, Alabama State Department of Public Health).

Iowa

During the past week, Type A influenza was serologically confirmed in Iowa. Some 3 weeks ago, an abrupt outbreak of acute febrile respiratory disease developed in Fairfield, a small town in the southeastern part of the State. A major proportion of the cases occurred among students attending a liberal arts college in the community, many of whom had returned only recently from visits in various parts of the East. Paired serum specimens from 2 cases demonstrated a rise in HI titer to influenza Type A.

(Reported by Dr. Ralph H. Heeren, Director, Division of Preventable Diseases, Iowa State Department of Health, and Dr. Albert McKee, Professor of Microbiology, University of Iowa School of Medicine).

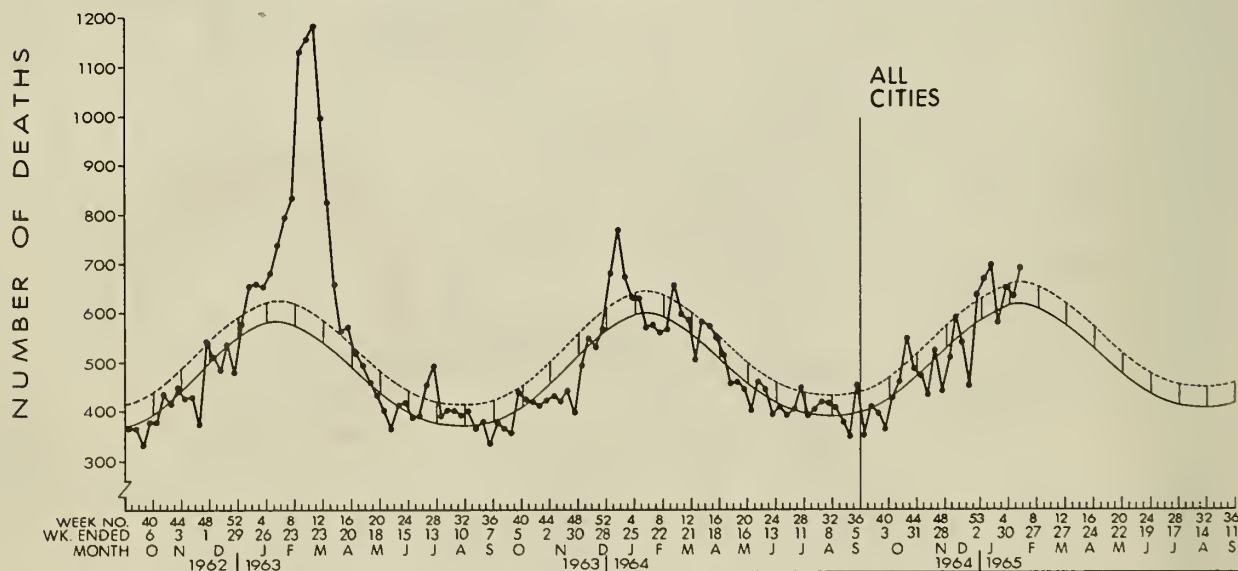
Michigan

There has been a general increase in acute febrile respiratory disease during the past few weeks, particularly in the Grand Rapids, Monroe, Lansing, and Ann Arbor regions. Illnesses have been recognized primarily among school children because of "spotty" school absenteeism.

An A₂ influenza virus antigenically similar to A₂/Taiwan/64 has been isolated from a student at the University of Michigan where increased numbers of influenza-like illnesses have been observed in the past week. Additional epidemiological and laboratory investigations are in process.

(Reported by Dr. George H. Agate, Director of Epidemiology, Michigan Department of Health, and Dr. Fred Davenport, Professor of Epidemiology, University of Michigan School of Medicine).

PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES



Kansas

Influenza-like illness has been observed in 5 counties so far this winter: Lyon, Cloud, Republic, Russell, and Saline. In Lyon and Cloud Counties, the illness has been confirmed as influenza type A by CF test. A₂ virus has been isolated by the CDC Laboratory, Kansas City Field

Station, from the lung tissue of a fatal case of pneumonia occurring in Kansas City.

(Reported by Don E. Wilcox, M.D., Director of Disease Prevention and Control, Kansas State Department of Health and CDC Kansas City Field Station).

RABIES

During 1964, an epizootic of rabies primarily among foxes, has been prevalent in 5 southeastern States. The Central and Eastern counties of Tennessee have been most severely affected. In addition, areas of Kentucky, Virginia, North Carolina, and Alabama which are contiguous to Tennessee have also been involved.

Rabies has been an endemic problem in a number of southeastern States during the past 5 years. Between 1960 and 1963 Tennessee, Kentucky, Virginia, North Carolina and Alabama had reported a relatively constant incidence of the disease. (Table I)

Table I
Reported Cases of Animal Rabies in Five Southeastern States, 1960-64

State	Number of Cases				
	1960	1961	1962	1963	1964*
Tennessee	188	186	213	138	543
Kentucky	120	128	143	122	64
Virginia	226	190	136	238	333
North Carolina	19	14	1	15	6
Alabama	91	64	31	35	37

* Totals for 1964 are preliminary

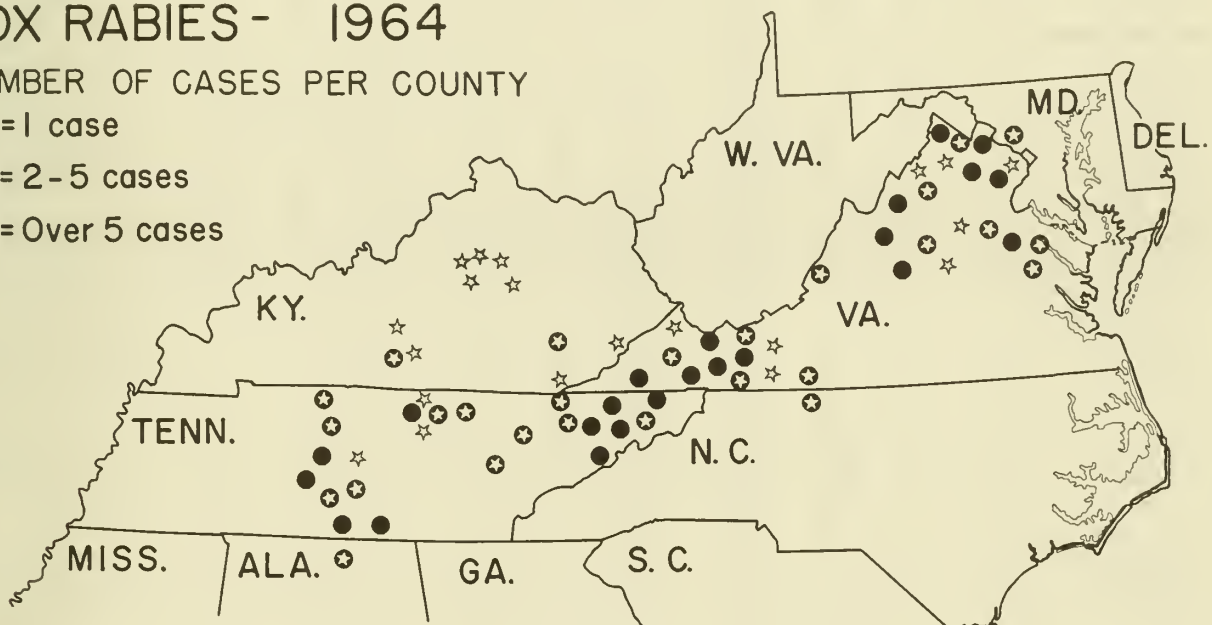
FOX RABIES - 1964

NUMBER OF CASES PER COUNTY

☆ = 1 case

⊙ = 2-5 cases

● = Over 5 cases



Tennessee led the nation in total number of animal rabies cases during 1964. A provisional total of 543 cases has been reported among wild and domestic animals (Table II). During 1963, there were 138 reported rabies cases in Tennessee.

Table II
Reported Cases of Confirmed Rabies in Tennessee 1959-64

Year	Fox	Skunk	Bat	Raccoon	Cattle	Cat	Dog	Other	Total
1959	68	4	—	—	33	7	24	3	139
1960	108	3	—	—	33	6	30	8	188
1961	100	9	2	—	41	7	23	4	186
1962	110	17	3	—	53	10	19	1	213
1963	51	13	5	1	36	4	27	1	138
1964*	382	29	14	—	64	15	29	10	543

* Provisional data

The sharpest increase in numbers of cases has occurred among foxes, which comprised three-fourths of the 1964 rabies cases. Cases have increased in domestic animals as well, with 64 cattle, 29 dogs and 15 cats, reported to have been infected.

The Tennessee State Game and Fish Commission and the Tennessee State Department of Public Health with the cooperation of State Health Departments and State Predator Control Agencies in the epizootic area as well as Federal Health and Predator Control Agencies have planned a comprehensive program attempting fox reduction

(Continued on back page)

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
FEBRUARY 13, 1965 AND FEBRUARY 8, 1964 (6TH WEEK)

[illegible]

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
FEBRUARY 13, 1965 AND FEBRUARY 8, 1964 (6TH WEEK)- CONTINUED

Area	Brucel- losis	Infectious Hepatitis including Serum Hepatitis					Meningococcal Infections			Tetanus	
		Total incl. unk.	Under 20 years	20 years and over	Cumulative Totals		1965	Cumulative		1965	Cum. 1965
		1965	1965	1965	1965	1964		1965	1964		
UNITED STATES...	3	767	402	308	4,764	5,504	70	388	328	4	21
NEW ENGLAND.....	-	42	21	20	294	678	4	21	10	-	1
Maine.....	-	8	5	3	67	280	-	4	-	-	-
New Hampshire.....	-	5	2	3	25	71	-	1	-	-	1
Vermont.....	-	1	-	1	30	67	-	-	-	-	-
Massachusetts.....	-	18	9	9	90	131	2	10	3	-	-
Rhode Island.....	-	6	3	3	35	25	1	2	2	-	-
Connecticut.....	-	4	2	1	47	104	1	4	5	-	-
MIDDLE ATLANTIC.....	-	101	53	48	895	1,206	9	53	41	-	1
New York City.....	-	23	8	15	151	161	1	11	7	-	-
New York, Up-State.....	-	46	30	16	426	602	1	10	14	-	1
New Jersey.....	-	9	2	7	106	168	6	23	7	-	-
Pennsylvania.....	-	23	13	10	212	275	1	9	13	-	-
EAST NORTH CENTRAL...	-	187	112	72	930	792	13	52	48	-	-
Ohio.....	-	58	43	12	308	235	2	16	15	-	-
Indiana.....	-	13	9	4	57	58	3	9	7	-	-
Illinois.....	-	25	14	11	171	97	3	12	10	-	-
Michigan.....	-	90	45	45	347	374	2	8	14	-	-
Wisconsin.....	-	1	1	-	47	28	3	7	2	-	-
WEST NORTH CENTRAL...	3	35	15	17	328	357	1	18	13	-	2
Minnesota.....	1	4	1	1	28	21	-	3	3	-	1
Iowa.....	2	14	6	7	159	51	-	-	-	-	-
Missouri.....	-	8	4	4	56	73	-	9	5	-	1
North Dakota.....	-	-	-	-	2	21	-	3	2	-	-
South Dakota.....	-	1	1	-	6	39	1	1	-	-	-
Nebraska.....	-	1	-	1	7	7	-	-	-	-	-
Kansas.....	-	7	3	4	70	145	-	2	3	-	-
SOUTH ATLANTIC.....	-	74	32	38	459	523	16	85	73	2	8
Delaware.....	-	5	-	5	12	6	-	2	-	-	-
Maryland.....	-	9	5	4	80	91	2	5	11	-	1
Dist. of Columbia..	-	-	-	-	4	9	1	3	-	-	-
Virginia.....	-	8	2	5	78	66	2	13	7	-	1
West Virginia.....	-	15	14	1	106	96	-	6	5	-	-
North Carolina.....	-	6	3	3	55	116	-	13	9	1	1
South Carolina.....	-	7	1	6	20	18	3	8	12	-	-
Georgia.....	-	-	-	-	20	10	2	15	6	-	3
Florida.....	-	24	7	14	84	111	6	20	23	1	2
EAST SOUTH CENTRAL...	-	67	44	17	315	396	3	24	28	2	3
Kentucky.....	-	18	11	2	108	194	-	7	5	-	-
Tennessee.....	-	34	23	11	121	126	3	10	13	-	1
Alabama.....	-	9	5	3	53	53	-	7	6	1	1
Mississippi.....	-	6	5	1	33	23	-	-	4	1	1
WEST SOUTH CENTRAL...	-	76	46	29	482	357	10	47	47	-	3
Arkansas.....	-	24	13	11	75	50	1	4	4	-	1
Louisiana.....	-	15	8	7	74	73	6	17	19	-	-
Oklahoma.....	-	1	1	-	24	22	-	6	2	-	-
Texas.....	-	36	24	11	309	212	3	20	22	-	2
MOUNTAIN.....	-	59	21	8	264	363	3	13	17	-	1
Montana.....	-	4	4	-	28	36	-	-	-	-	-
Idaho.....	-	7	-	-	44	35	-	-	1	-	-
Wyoming.....	-	4	1	3	20	7	-	-	1	-	-
Colorado.....	-	11	9	2	31	80	2	3	6	-	1
New Mexico.....	-	9	5	1	44	74	1	6	5	-	-
Arizona.....	-	20	-	-	67	80	-	2	1	-	-
Utah.....	-	4	2	2	28	45	-	1	1	-	-
Nevada.....	-	-	-	-	2	6	-	1	2	-	-
PACIFIC.....	-	126	58	59	797	832	11	75	51	-	2
Washington.....	-	8	6	2	67	96	-	-	4	-	-
Oregon.....	-	10	-	8	73	84	3	6	1	-	-
California.....	-	93	47	46	584	605	8	68	42	-	2
Alaska.....	-	15	5	3	68	31	-	1	2	-	-
Hawaii.....	-	-	-	-	5	16	-	-	2	-	-
Puerto Rico	-	26	19	7	72	39	2	2	3	-	4

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
FEBRUARY 13, 1965 AND FEBRUARY 8, 1964 (6TH WEEK) - CONTINUED

Area	Measles			Strept. Sore Th. & Scarlet Fev.	Tularemia		Typhoid Fever		Rabies in Animals	
	1965	Cumulative		1965	1965	Cum.	1965	Cum.	1965	Cum.
		1965	1964			1965		1965		
UNITED STATES...	8,237	42,624	38,363	11,264	4	35	6	39	99	557
NEW ENGLAND.....	2,016	10,876	2,178	1,004	-	-	-	-	1	8
Maine.....	155	1,222	266	185	-	-	-	-	-	-
New Hampshire.....	28	184	11	3	-	-	-	-	-	-
Vermont.....	4	105	563	4	-	-	-	-	1	7
Massachusetts.....	1,238	6,430	391	162	-	-	-	-	-	-
Rhode Island.....	250	1,277	155	47	-	-	-	-	-	-
Connecticut.....	341	1,658	792	603	-	-	-	-	-	1
MIDDLE ATLANTIC.....	307	1,477	7,290	526	-	-	-	2	1	17
New York City.....	36	174	2,845	25	-	-	-	1	-	-
New York, Up-State.....	133	515	1,467	331	-	-	-	1	1	15
New Jersey.....	36	238	1,486	81	-	-	-	-	-	-
Pennsylvania.....	102	550	1,492	89	-	-	-	-	-	2
EAST NORTH CENTRAL...	1,571	7,564	7,805	1,388	-	-	2	5	6	28
Ohio.....	221	1,378	1,285	145	-	-	2	2	-	-
Indiana.....	62	328	1,608	140	-	-	-	-	1	5
Illinois.....	33	230	2,379	190	-	-	-	1	3	6
Michigan.....	957	4,156	1,872	676	-	-	-	1	1	8
Wisconsin.....	298	1,472	661	237	-	-	-	1	1	9
WEST NORTH CENTRAL...	900	3,381	985	597	-	2	1	2	20	105
Minnesota.....	4	55	21	14	-	-	-	-	4	30
Iowa.....	684	1,882	410	135	-	-	-	-	11	35
Missouri.....	91	347	94	21	-	1	1	2	3	14
North Dakota.....	120	983	451	162	-	-	-	-	-	7
South Dakota.....	-	23	3	44	-	-	-	-	-	6
Nebraska.....	1	91	6	-	-	-	-	-	-	4
Kansas.....	NN	NN	NN	221	-	1	-	-	2	9
SOUTH ATLANTIC.....	926	5,994	3,993	1,482	-	12	1	12	26	96
Delaware.....	5	79	46	15	-	-	-	1	-	-
Maryland.....	40	116	640	169	-	-	1	5	-	2
Dist. of Columbia..	-	9	65	19	-	-	-	-	-	-
Virginia.....	108	829	900	255	-	3	-	1	24	81
West Virginia.....	594	4,377	1,189	633	-	-	-	1	1	2
North Carolina.....	13	102	133	19	-	2	-	4	-	-
South Carolina.....	15	55	659	67	-	2	-	-	-	-
Georgia.....	67	161	97	85	-	5	-	-	1	5
Florida.....	84	266	264	220	-	-	-	-	-	6
EAST SOUTH CENTRAL...	312	2,109	5,258	1,385	1	9	1	3	30	197
Kentucky.....	13	156	2,814	87	-	1	-	-	1	7
Tennessee.....	200	1,388	2,084	1,200	1	7	1	2	29	185
Alabama.....	75	407	163	47	-	1	-	1	-	5
Mississippi.....	24	158	197	51	-	-	-	-	-	-
WEST SOUTH CENTRAL...	1,104	4,157	3,198	1,260	2	8	1	9	12	74
Arkansas.....	102	142	90	15	1	4	-	3	6	16
Louisiana.....	1	8	12	-	1	1	1	2	3	22
Oklahoma.....	9	38	31	121	-	3	-	1	3	14
Texas.....	992	3,969	3,065	1,124	-	-	-	3	-	22
MOUNTAIN.....	569	3,569	1,777	1,879	1	4	-	4	-	14
Montana.....	135	1,252	396	46	-	-	-	-	-	2
Idaho.....	107	540	273	171	-	-	-	-	-	-
Wyoming.....	4	95	16	30	-	-	-	1	-	-
Colorado.....	132	489	198	744	-	-	-	-	-	-
New Mexico.....	26	86	53	253	-	-	-	1	-	-
Arizona.....	22	95	613	379	-	-	-	2	-	12
Utah.....	143	1,006	149	250	1	4	-	-	-	-
Nevada.....	-	6	79	6	-	-	-	-	-	-
PACIFIC.....	532	3,497	5,879	1,743	-	-	-	2	3	18
Washington.....	110	942	2,057	84	-	-	-	-	-	-
Oregon.....	65	651	702	32	-	-	-	-	-	-
California.....	261	1,467	2,522	1,497	-	-	-	1	3	18
Alaska.....	5	38	558	35	-	-	-	-	-	-
Hawaii.....	91	399	40	95	-	-	-	1	-	-
Puerto Rico	59	186	407	13	-	-	-	-	-	1

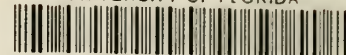
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Week No. 6 Table 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED FEBRUARY 13, 1965
(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	938	620	85	33	SOUTH ATLANTIC:	1,322	714	69	63
Boston, Mass.-----	337	222	23	9	Atlanta, Ga.-----	127	59	9	11
Bridgeport, Conn.-----	47	24	10	4	Baltimore, Md.-----	279	154	13	16
Cambridge, Mass.-----	32	25	1	3	Charlotte, N. C.-----	47	27	3	-
Fall River, Mass.-----	30	23	-	1	Jacksonville, Fla.-----	76	30	2	4
Hartford, Conn.-----	73	46	1	4	Miami, Fla.-----	181	92	2	3
Lowell, Mass.-----	28	20	4	1	Norfolk, Va.-----	47	18	3	2
Lynn, Mass.-----	36	27	4	1	Richmond, Va.-----	84	41	3	12
New Bedford, Mass.-----	39	32	5	1	Savannah, Ga.-----	34	17	6	1
New Haven, Conn.-----	54	27	1	3	St. Petersburg, Fla.-----	113	83	8	1
Providence, R. I.-----	74	48	7	3	Tampa, Fla.-----	99	63	7	2
Somerville, Mass.-----	16	12	4	-	Washington, D. C.-----	210	114	11	9
Springfield, Mass.-----	57	39	7	-	Wilmington, Del.-----	25	16	2	2
Waterbury, Conn.-----	25	15	-	1					
Worcester, Mass.-----	90	60	18	2	EAST SOUTH CENTRAL:	672	350	44	43
MIDDLE ATLANTIC:	3,368	1,975	198	164	Birmingham, Ala.-----	78	37	1	4
Albany, N. Y.-----	66	40	3	3	Chattanooga, Tenn.-----	59	34	4	3
Allentown, Pa.-----	43	29	5	2	Knoxville, Tenn.-----	41	24	3	4
Buffalo, N. Y.-----	160	107	10	7	Louisville, Ky.-----	161	81	16	12
Camden, N. J.-----	46	30	7	2	Memphis, Tenn.-----	114	60	5	6
Elizabeth, N. J.-----	31	20	1	2	Mobile, Ala.-----	60	33	4	3
Erie, Pa.-----	57	34	4	2	Montgomery, Ala.-----	49	23	4	2
Jersey City, N. J.-----	91	50	11	2	Nashville, Tenn.-----	110	58	7	9
Newark, N. J.-----	113	54	6	9	WEST SOUTH CENTRAL:	1,193	606	52	94
New York City, N. Y.-----	1,632	945	91	70	Austin, Tex.-----	29	19	4	1
Paterson, N. J.-----	44	25	10	2	Baton Rouge, La.-----	41	21	2	5
Philadelphia, Pa.-----	509	281	14	35	Corpus Christi, Tex.-----	36	16	-	4
Pittsburgh, Pa.-----	160	82	4	8	Dallas, Tex.-----	167	75	7	13
Reading, Pa.-----	67	47	6	2	El Paso, Tex.*-----	42	20	2	5
Rochester, N. Y.-----	101	63	12	8	Fort Worth, Tex.-----	100	49	3	10
Schenectady, N. Y.-----	22	14	1	3	Houston, Tex.-----	188	90	5	14
Scranton, Pa.-----	47	31	4	1	Little Rock, Ark.-----	81	44	2	8
Syracuse, N. Y.-----	52	38	2	1	New Orleans, La.-----	211	105	13	17
Trenton, N. J.-----	62	40	1	1	Oklahoma City, Okla.-----	87	46	1	5
Utica, N. Y.*-----	30	22	3	1	San Antonio, Tex.-----	122	75	6	8
Yonkers, N. Y.-----	35	23	3	3	Shreveport, La.-----	37	18	5	3
EAST NORTH CENTRAL:	2,664	1,527	123	170	Tulsa, Okla.-----	52	28	2	1
Akron, Ohio-----	65	37	-	4	MOUNTAIN:	423	248	20	26
Canton, Ohio-----	32	22	6	1	Albuquerque, N. Mex.-----	39	25	2	1
Chicago, Ill.-----	714	416	42	39	Colorado Springs, Colo.-----	19	12	1	-
Cincinnati, Ohio-----	168	108	5	10	Denver, Colo.-----	134	80	8	9
Cleveland, Ohio-----	215	116	6	17	Ogden, Utah-----	7	4	-	1
Columbus, Ohio-----	112	60	2	9	Phoenix, Ariz.-----	97	55	4	6
Dayton, Ohio-----	98	44	1	11	Pueblo, Colo.-----	21	10	-	3
Detroit, Mich.-----	396	215	18	16	Salt Lake City, Utah-----	62	39	5	4
Evansville, Ind.-----	33	23	3	-	Tucson, Ariz.-----	44	23	-	2
Flint, Mich.-----	70	38	1	5	PACIFIC:	1,510	915	56	84
Fort Wayne, Ind.-----	40	19	4	3	Berkeley, Calif.-----	11	5	-	-
Gary, Ind.-----	29	19	4	3	Fresno, Calif.-----	47	25	-	3
Grand Rapids, Mich.-----	61	44	9	6	Glendale, Calif.-----	49	35	3	2
Indianapolis, Ind.-----	168	87	6	14	Honolulu, Hawaii*-----	41	19	1	4
Madison, Wis.-----	54	30	-	2	Long Beach, Calif.-----	67	42	2	3
Milwaukee, Wis.-----	148	87	5	10	Los Angeles, Calif.-----	490	282	33	27
Peoria, Ill.-----	40	21	1	6	Oakland, Calif.-----	80	50	1	2
Rockford, Ill.-----	25	10	2	1	Pasadena, Calif.-----	32	27	1	-
South Bend, Ind.-----	42	25	2	5	Portland, Oreg.-----	95	64	1	2
Toledo, Ohio-----	86	57	5	7	Sacramento, Calif.-----	58	38	2	3
Youngstown, Ohio-----	68	49	1	1	San Diego, Calif.-----	95	46	3	15
WEST NORTH CENTRAL:	804	484	41	50	San Francisco, Calif.-----	184	113	3	6
Des Moines, Iowa-----	57	36	5	5	San Jose, Calif.-----	39	28	-	2
Duluth, Minn.-----	26	18	1	2	Seattle, Wash.-----	131	82	5	6
Kansas City, Kans.-----	38	19	3	4	Spokane, Wash.-----	60	41	1	8
Kansas City, Mo.-----	152	95	4	4	Tacoma, Wash.-----	31	18	-	1
Lincoln, Nebr.-----	23	18	1	2	Total	12,894	7,439	688	727
Minneapolis, Minn.-----	116	74	1	5	Cumulative Totals including reported corrections for previous weeks				
Omaha, Nebr.-----	59	32	3	6	All Causes, All Ages -----	81,597			
St. Louis, Mo.-----	212	122	16	13	All Causes, Age 65 and over-----	46,558			
St. Paul, Minn.-----	73	40	2	8	Pneumonia and Influenza, All Ages-----	3,914			
Wichita, Kans.-----	48	30	5	1	All Causes, Under 1 Year of Age-----	4,821			

*Estimate - based on average percent of divisional total.



Morbidity and Mortality Weekly Report

RABIES (Continued from page 55)

in epizootic areas, as well as in buffer zones surrounding these areas. In addition, dog vaccination in the epizootic areas and buffer zones will be continued.

(Reported by Dr. R.H. Hutcheson, Commissioner of Public Health and Dr. Cecil B. Tucker, Director and Assistant Commissioner Preventive Diseases, Tennessee Department of Public Health and a team from the Communicable Disease Center.

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 13,000 IS PUBLISHED BY THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA 30333.

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASES, SUCH ACCOUNTS SHOULD BE ADDRESSED TO:

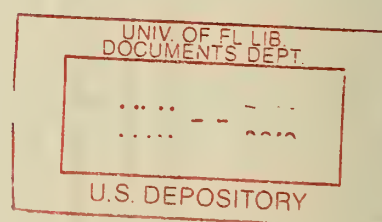
THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

SYMBOLS:---DATA NOT AVAILABLE
- QUANTITY ZERO

THE CONSTRUCTION OF THE MORTALITY CURVES IS DESCRIBED IN VOL. 14, NO. 1.

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